



Sheet 1 of 1

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 111969.01	APPLICATION NO. 10/748,183	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)						
				APPLICANT(S) Atsushi UMEDA		
				FILING DATE December 31, 2003	GROUP 2834	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
W	1	JP B-148045	10/10/1941	Japan		
W	2	JP B-33743	2/1/1919	Japan		
W	4	JP-A-4-8140	1/13/1992	Japan w/Abstract		
W	5	JP-B-2927288	5/14/1999	Japan w/Abstract		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						
EXAMINER <i>Ledapham</i>					DATE CONSIDERED 8/23/04	
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						



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FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB CLASS	
UP		JP-A-54-39805	3/27/1979	Japan (w/Abstract)				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)								
EXAMINER <i>Ledapham</i>						DATE CONSIDERED <i>8/23/04</i>		
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Form PTO-1449 (REV. 8-83)	US Dept. of Commerce PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. 111969.01	APPLICATION NO. Rule 53(b) Divisional of Application No. 10/073,857 CON : 101748183
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT(S) Atsushi UMEDA	
		FILING DATE December 31, 2003	PRIOR GROUP 2834

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS
LP	5,122,705	6/1992	Kusase et al.		310	68D
LP	5,998,903	12/1999	Umeda et al.		310	179
LP	5,955,810	9/1999	Umeda et al.		310	208
LP	5,444,355	8/1995	Kaneyuki et al.		322	58
LP	4,710,661	12/1987	Gjota Warner et al.		310	360
LP	5,686,774	11/1997	Slavik et al.		310	198
LP	5,936,326	8/1999	Umeda et al.		310	179

FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB CLASS
LP	EP 0 18 835 A1	11/1980	Europe			
LP	DE 32 02 958 A1 w/ conc. exp.	8/1983	Germany			
LP	0 534 153 A1	3/1993	Europe			
LP	0 828 335 A1	3/1998	Europe w/Abstract			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						

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Date: December 31, 2003